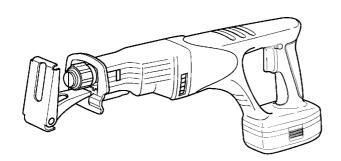
Service Manua Pocinicating S

Reciprocating Saw



EY3544-U1

SPECIFICATIONS

MAIN UNIT

MIANT ONLY				
Motor	DC Motor 18V			
Length of Strokes	23mm (7/8")			
Strokes per Minute	0-2700 spm			
Type of Blade shank	13mm (1/2") universal reciprocating saw blade			
Overall length	491mm (19-5/16")			
Weight (with battery pack)	3.9kg (8.7lbs.)			

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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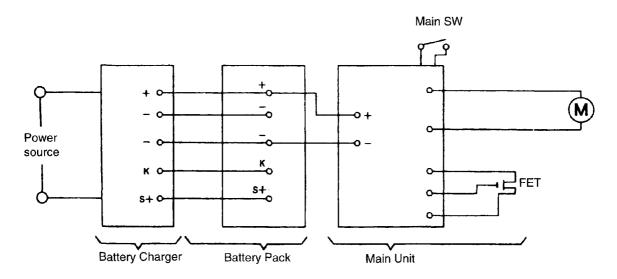
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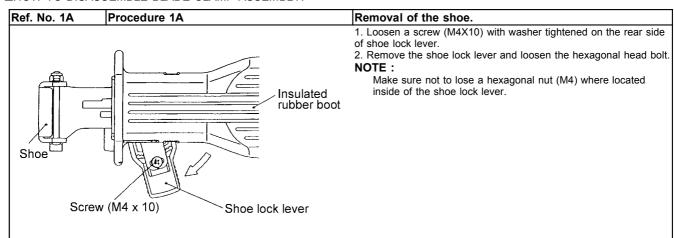
EY3544-U1

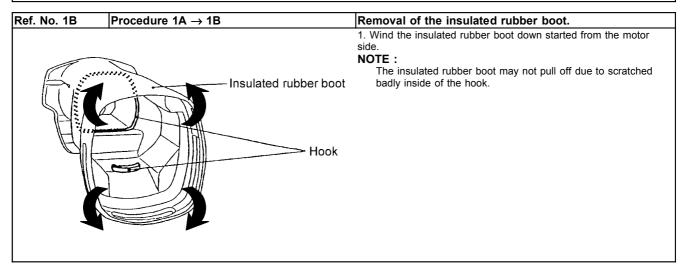
1 SCHEMATIC DIAGRAM

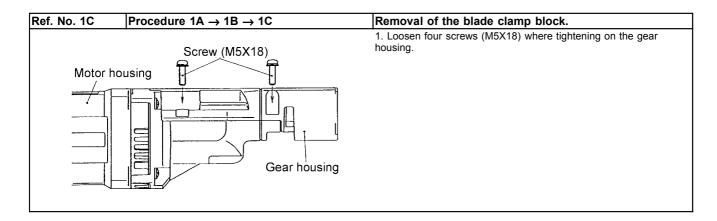


2 DISASSEMBLY INSTRUCTIONS

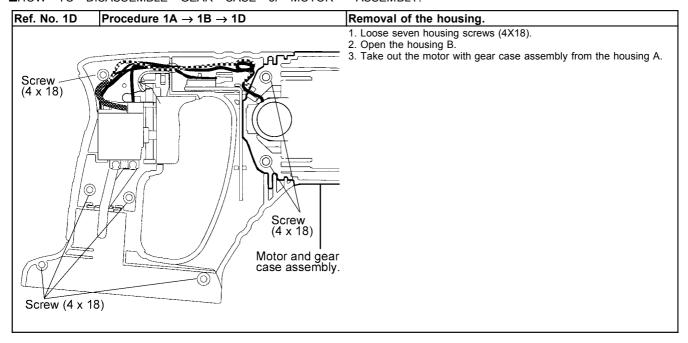
■HOW TO DISASSEMBLE BLADE CLAMP ASSEMBLY.

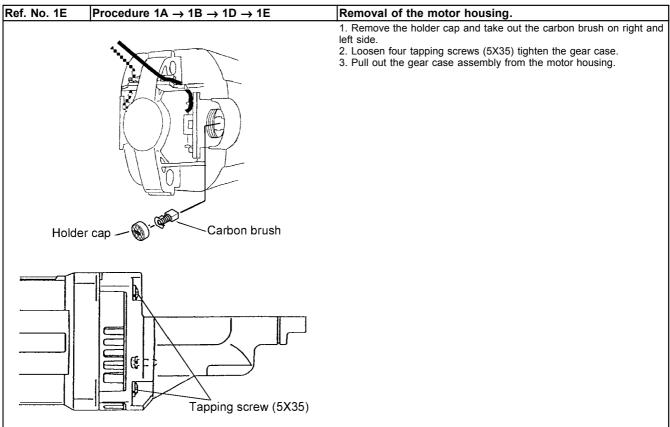


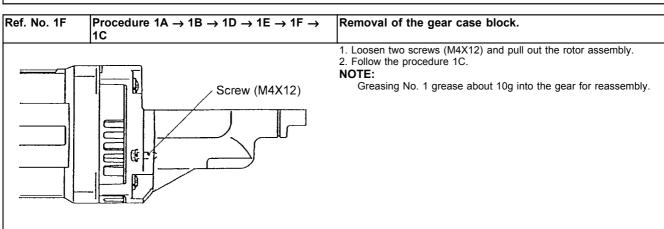




■HOW TO DISASSEMBLE GEAR CASE or MOTOR ASSEMBLY.

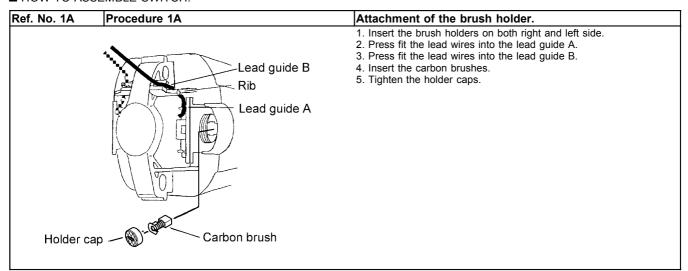


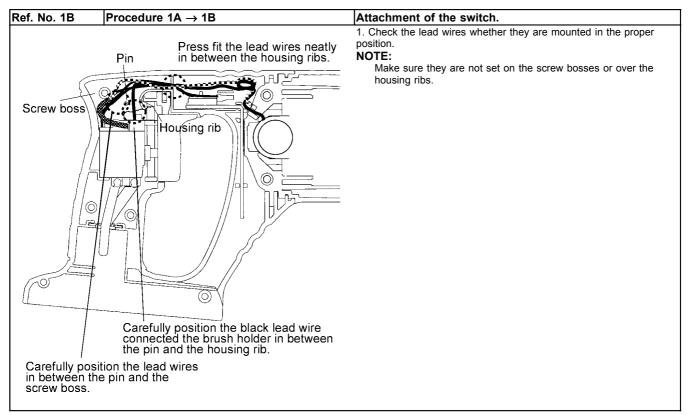




3 ASSEMBLY INSTRUCTIONS

■ HOW TO ASSEMBLE SWITCH.





TROUBLESHOOTING GUIDE

< TROUBLE > < CHECK > < REMEDY > Does not operate. <CHECK BATTERY PACK.> Replace battery pack. If no less than 18V DC is available across the (+) and (-) terminals after charging for the rated charging time (approx. 65 minutes for EY9250), the battery pack is OK. The battery pack is sold separately as an optional accessory. See the nearest sales dealer for details. The battery pack has a The pack should be replaced if; after being charged for the rated charging time the battery voltage is less than 18V DC or the usable time is extremely short. the battery leaks. Check battery for leaks and terminals for ↓OK <CHECK TERMINAL CONNECTIONS BETWEEN MAIN UNIT Repair contacts. AND BATTERY PACK.> Check for proper terminal contacts. ↓OK <CHECK SWITCH BLOCK.> Contacts in switch block (See WIRING CONNECTION DIAGRAM.) are defective. Check continuity between following terminals. Replace switch & 1) Inspection of the switch operated contact. FET block. When switch handle is depressed all the way: There should be 0Ω between (A) - (D), and between (B) - (C); when switch lever is set to forward side. 2) Inspection of the brake. When switch handle is not depressed: There should be 0Ω between (A) - (B) ↓ok <CHECK CARBON BRUSH.> Replace carbon 1) The condition of carbon brush. brushes - There should be more than 1mm from the line of the carbon brush. 2) The continuity of carbon brush. There should be 0Ω between the motor lead wire and the metal fitting of carbon brush. ↓OK <CHECK MOTOR ROTOR.> Replace motor Check the condition of rotor if there is any wear, crack and deformation. rotor assembly ↓ok <CHECK MOTOR STATOR.> NO Replace motor

Check the condition of motor case if there is any crack and deformation. stator.

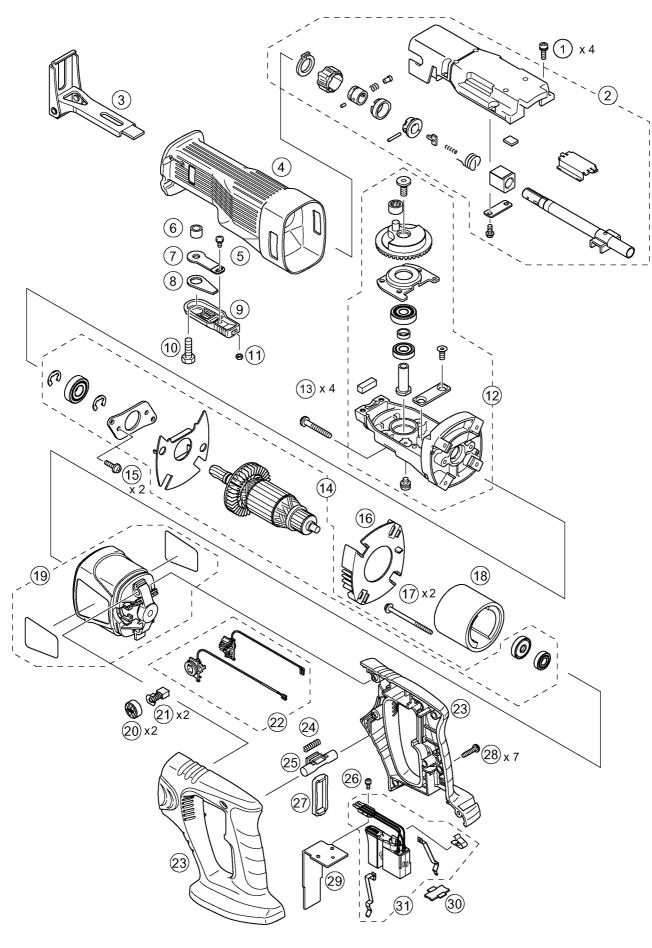
Does not speedcontrol.

<CHECK SWITCH.> Follow the procedure above "CHECK SWITCH". Attach the battery pack and confirm the switch operation

when depressing the switch handle little by little.

Repair the contact or replace switch & FET block

5 EXPLODED VIEW



6 REPLACEMENT PARTS LIST

NOTE:

*B=only available as set

*C=available individually

Ref.No.	Part No.	Part Name & Description	Remarks			Per Unit
1	WEY3544K6708	SCREW	*C	M5*18		4
2	WEY3544S1168	BLADE CLAMP BLOCK				1
3	WEY3544K0228	SHOE				1
4	WEY3544H3648	INSULATED RUBBER BOOT				1
5	WEY3544K6278	SCREW		M4*10		1
6	WEY3544K0478	SLEEVE				1
7	WEY3544K1168	INNER PLATE				1
8	WEY3544K1178	LOCK PLATE				1
9	WEY3544K1558	SHOE LOCK LEVER				1
10	WEY3544K6398	HEXAGONAL HEAD BOLT		M8*25		1
11	WEY3544K6428	HEXAGONAL NUT		M4		1
12	WEY3544S1768	GEAR CASE BLOCK				1
13	WEY3544L9388	TAPPING SCREW	*C	5*35		4
14	WEY3544L4628	MOTOR ROTOR ASSEMBLY				1
15	WEY3544L6218	SCREW	*C	M4*12		2
16	WEY3544L0478	BAFFLE PLATE				1
17	WEY3544L9668	TAPPING SCREW	*C	4*60		2
18	WEY3544L1188	STATOR				1
19	WEY3544K0538	MOTOR HOUSING				1
20	WEY3544K0558	HOLDER CAP	*B	(2PCS/PK)		2
21	WEY3544L4638	CARBON BRUSH	*B	(2PCS/PK)		2
22	WEY3544L4368	BRUSH HOLDER				1ST
23	WEY3544K3078	HOUSING AB SET				1
24	WEY3544L0178	SPRING				1
25	WEY3544Y3568	RELEASE LEVER				1
26	WEY3544L6208	SCREW		M3*8		1
27	WEY3544L0088	SWITCH FRAME				1
28	WEY3544K9218	TAPPING SCREW	*C	4*18		7
29	WEY3544L2568	HEAT SINK				1
30	WEY3544L0208	HOLDER PLATE				1
31	WEY3544Y2008	SWITCH				1
-	WEY3544K8108	OPERATING INSTRUCTIONS			A	1

^{**}Battery Pack, and Tool Case are available as an optional accessory.

See the nearest sales dealer for details.

Charger complete set is available as an optional accessory. See the nearest sales dealer for details.

^{***}For replacement parts of charger, see the charger service manual.